

RE-RE



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/645,012

DATE: 10/15/2004

TIME: 10:22:28

Input Set : N:\Crf3\RULE60\10645012.RAW.txt
 Output Set: N:\CRF4\10152004\J645012.raw

1 <110> APPLICANT: Tsuchiya, Masayuki
 2 Saito, Mikiyoshi
 3 Ohtomo, Toshihiko
 4 <120> TITLE OF INVENTION: NOVEL METHOD FOR GENE CLONING
 5 <130> FILE REFERENCE: 06501-070001
 6 <140> CURRENT APPLICATION NUMBER: 10/645,012
 7 <141> CURRENT FILING DATE: 2003-08-21
 8 <150> PRIOR APPLICATION NUMBER: US/09/700,820
 9 <151> PRIOR FILING DATE: 2000-11-20
 10 <150> PRIOR APPLICATION NUMBER: PCT/JP99/02341
 11 <151> PRIOR FILING DATE: 1999-04-30
 12 <150> PRIOR APPLICATION NUMBER: JP 10/138652
 13 <151> PRIOR FILING DATE: 1998-05-20
 14 <150> PRIOR APPLICATION NUMBER: JP 10/279876
 15 <151> PRIOR FILING DATE: 1998-10-01
 16 <160> NUMBER OF SEQ ID NOS: 39
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 15
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide Linker Sequence
 24 <400> SEQUENCE: 1
 25 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser
 26 1 5 10 15
 28 <210> SEQ ID NO: 2
 29 <211> LENGTH: 1035
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Homo sapiens
 32 <220> FEATURE:
 33 <221> NAME/KEY: CDS
 34 <222> LOCATION: (1)..(1035)
 35 <400> SEQUENCE: 2
 36 atg ctg gcc gtc ggc tgc gcg ctg ctg gct gcc ctg ctg gcc gcg ccg 48
 37 Met Leu Ala Val Gly Cys Ala Leu Leu Ala Ala Leu Ala Ala Pro
 38 1 5 10 15
 39 gga gcg gcg ctg gcc cca agg cgc tgc cct gcg cag gag gtg gca aga 96
 40 Gly Ala Ala Leu Ala Pro Arg Arg Cys Pro Ala Gln Glu Val Ala Arg
 41 20 25 30
 42 ggc gtg ctg acc agt ctg cca gga gac agc gtg act ctg acc tgc ccg 144
 43 Gly Val Leu Thr Ser Leu Pro Gly Asp Ser Val Thr Leu Thr Cys Pro
 44 35 40 45
 45 ggg gta gag ccg gaa gac aat gcc act gtt cac tgg gtg ctc agg aag 192

ENTERED

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Input Set : N:\CrF3\RULE60\10645012.RAW.txt
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46	Gly Val Glu Pro Glu Asp Asn Ala Thr Val His Trp Val Leu Arg Lys	
47	50 55 60	
48	ccg gct gca ggc tcc cac ccc agc aga tgg gct ggc atg gga agg agg	240
49	Pro Ala Ala Gly Ser His Pro Ser Arg Trp Ala Gly Met Gly Arg Arg	
50	65 70 75 80	
51	ctg ctg ctg agg tcg gtg cag ctc cac gac tct gga aac tat tca tgc	288
52	Leu Leu Arg Ser Val Gln Leu His Asp Ser Gly Asn Tyr Ser Cys	
53	85 90 95	
54	tac cgg gcc ggc cgc cca gct ggg act gtg cac ttg ctg gtg gat gtt	336
55	Tyr Arg Ala Gly Arg Pro Ala Gly Thr Val His Leu Leu Val Asp Val	
56	100 105 110	
57	ccc ccc gag gag ccc cag ctc tcc tgc ttc cgg aag agc ccc ctc agc	384
58	Pro Pro Glu Glu Pro Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser	
59	115 120 125	
60	aat gtt gtt tgt gag tgg ggt cct cgg agc acc cca tcc ctg acg aca	432
61	Asn Val Val Cys Glu Trp Gly Pro Arg Ser Thr Pro Ser Leu Thr Thr	
62	130 135 140	
63	aag gct gtg ctc ttg gtg agg aag ttt cag aac agt ccc gcc gaa gac	480
64	Lys Ala Val Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp	
65	145 150 155 160	
66	ttc cag gag ccc tgc cag tat tcc cag gag tcc cag aag ttc tcc tgc	528
67	Phe Gln Glu Pro Cys Gln Tyr Ser Gln Glu Ser Gln Lys Phe Ser Cys	
68	165 170 175	
69	cag tta gca gtc ccc gag gga gac agc tct ttc tac ata gtg tcc atg	576
70	Gln Leu Ala Val Pro Glu Gly Asp Ser Ser Phe Tyr Ile Val Ser Met	
71	180 185 190	
72	tgc gtc gcc agt agt gtc ggg agc aag ttc agc aaa act caa acc ttt	624
73	Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr Gln Thr Phe	
74	195 200 205	
75	cag ggt tgt gga atc ttg cag cct gat ccc cct gcc aac atc aca gtc	672
76	Gln Gly Cys Gly Ile Leu Gln Pro Asp Pro Pro Ala Asn Ile Thr Val	
77	210 215 220	
78	act gcc gtg gcc aga aac ccc cgc tgg ctc agt gtc acc tgg caa gac	720
79	Thr Ala Val Ala Arg Asn Pro Arg Trp Leu Ser Val Thr Trp Gln Asp	
80	225 230 235 240	
81	ccc cac tcc tgg aac tca tct ttc tac aga cta cgg ttt gag ctc aga	768
82	Pro His Ser Trp Asn Ser Ser Phe Tyr Arg Leu Arg Phe Glu Leu Arg	
83	245 250 255	
84	tat cgg gct gaa cgg tca aag aca ttc aca aca tgg atg gtc aag gac	816
85	Tyr Arg Ala Glu Arg Ser Lys Thr Phe Thr Thr Trp Met Val Lys Asp	
86	260 265 270	
87	ctc cag cat cac tgt gtc atc cac gac gcc tgg agc ggc ctg agg cac	864
88	Leu Gln His His Cys Val Ile His Asp Ala Trp Ser Gly Leu Arg His	
89	275 280 285	
90	gtg gtg cag ctt cgt gcc cag gag gag ttc ggg caa ggc gag tgg agc	912
91	Val Val Gln Leu Arg Ala Gln Glu Glu Phe Gly Gln Gly Glu Trp Ser	
92	290 295 300	
93	gag tgg agc ccg gag gcc atg ggc acg cct tgg aca gaa tcc agg agt	960
94	Glu Trp Ser Pro Glu Ala Met Gly Thr Pro Trp Thr Glu Ser Arg Ser	

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95	305	310	315	320	
96	cct cca gct gag aac gag gtg tcc acc ccc atg cag gca ctt act act				1008
97	Pro Pro Ala Glu Asn Glu Val Ser Thr Pro Met Gln Ala Leu Thr Thr				
98	325	330	335		
99	aat aaa gac gat gat aat att ctc ttc				1035
100	Asn Lys Asp Asp Asp Asn Ile Leu Phe				
101	340	345			
103	<210> SEQ ID NO: 3				
104	<211> LENGTH: 40				
105	<212> TYPE: DNA				
106	<213> ORGANISM: Artificial Sequence				
107	<220> FEATURE:				
108	<223> OTHER INFORMATION: Description of Artificial Sequence: "IL6R1", an artificially synthesized primer sequence				
109	<400> SEQUENCE: 3				
110	ttcgaattcc caccatgctg gccgtcggt gcgcgtgtct				40
112	<210> SEQ ID NO: 4				
113	<211> LENGTH: 36				
114	<212> TYPE: DNA				
115	<213> ORGANISM: Artificial Sequence				
116	<220> FEATURE:				
117	<223> OTHER INFORMATION: Description of Artificial Sequence: "IL6R2", an artificially synthesized primer sequence				
118	<400> SEQUENCE: 4				
119	ttcgaattcg aagagaatat tatcatcgta tttatt				36
121	<210> SEQ ID NO: 5				
122	<211> LENGTH: 768				
123	<212> TYPE: DNA				
124	<213> ORGANISM: Artificial Sequence				
125	<220> FEATURE:				
126	<221> NAME/KEY: CDS				
127	<222> LOCATION: (1)..(768)				
128	<220> FEATURE:				
129	<223> OTHER INFORMATION: Description of Artificial Sequence: a designed single chain Fv gene sequence				
130	<400> SEQUENCE: 5				
131	cag gtc caa ctg cag gag agc ggt cca ggt ctt gtg aga cct agc cag				48
132	Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg Pro Ser Gln				
133	1 5 10 15				
134	acc ctg agc ctg acc tgc acc gtg tct ggc tac tca att acc agc gat				96
135	Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Ile Thr Ser Asp				
136	20 25 30				
137	cat gcc tgg agc tgg gtt cgc cag cca cct gga cga ggt ctt gag tgg				144
138	His Ala Trp Ser Trp Val Arg Gln Pro Pro Gly Arg Gly Leu Glu Trp				
139	35 40 45				
140	att gga tac att agt tat agt gga atc aca acc tat aat cca tct ctc				192
141	Ile Gly Tyr Ile Ser Tyr Ser Gly Ile Thr Thr Tyr Asn Pro Ser Leu				
142	50 55 60				
143	aaa tcc aga gtg aca atg ctg aga gac acc agc aag aac cag ttc agc				240
144	Lys Ser Arg Val Thr Met Leu Arg Asp Thr Ser Lys Asn Gln Phe Ser				
145	65 70 75 80				
146	ctg aga ctc agc agc gtg aca gcc gac acc gcg gtt tat tat tgt				288

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147	Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys	
148	85 90 95	
149	gca aga tcc cta gct cgg act acg gct atg gac tac tgg ggt caa ggc	336
150	Ala Arg Ser Leu Ala Arg Thr Thr Ala Met Asp Tyr Trp Gly Gln Gly	
151	100 105 110	
152	agc ctc gtc aca gtc tcc tca ggt ggt ggt tcg ggt ggt ggt ggt	384
153	Ser Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Gly	
154	115 120 125	
155	tcg ggt ggt ggc gga tcg gac atc cag atg acc cag agc cca agc agc	432
156	Ser Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser	
157	130 135 140	
158	ctg agc gcc agc gtg ggt gac aga gtg acc atc acc tgt aga gcc agc	480
159	Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser	
160	145 150 155 160	
161	cag gac atc agc agt tac ctg aat tgg tac cag cag aag cca gga aag	528
162	Gln Asp Ile Ser Ser Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys	
163	165 170 175	
164	gct cca aag ctg ctg atc tac tac acc tcc aga ctg cac tct ggt gtg	576
165	Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser Gly Val	
166	180 185 190	
167	cca agc aga ttc agc ggt agc ggt acc gac ttc acc ttc acc	624
168	Pro Ser Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr	
169	195 200 205	
170	atc agc agc ctc cag cca gag gac atc gct acc tac tac tgc caa cag	672
171	Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln	
172	210 215 220	
173	ggt aac acg ctt cca tac acg ttc ggc caa ggg acc aag gtg gaa atc	720
174	Gly Asn Thr Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile	
175	225 230 235 240	
176	aaa cga act gtg gct gca cca tct gtc ttc atc ttc ccg cca tct gat	768
177	Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp	
178	245 250 255	
180	<210> SEQ ID NO: 6	
181	<211> LENGTH: 32	
182	<212> TYPE: DNA	
183	<213> ORGANISM: Artificial Sequence	
184	<220> FEATURE:	
185	<223> OTHER INFORMATION: Description of Artificial Sequence: "TMT1", an artificially synthesized primer sequence	
186	<400> SEQUENCE: 6	
187	ggtgtcgact cccaggcca actgcaggag ag	32
189	<210> SEQ ID NO: 7	
190	<211> LENGTH: 32	
191	<212> TYPE: DNA	
192	<213> ORGANISM: Artificial Sequence	
193	<220> FEATURE:	
194	<223> OTHER INFORMATION: Description of Artificial Sequence: "LINK1", an artificially synthesized primer sequence	
195	<400> SEQUENCE: 7	
196	ctcgtcacag tctcctcagg tggtggtgg tc	32
198	<210> SEQ ID NO: 8	

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199 <211> LENGTH: 38
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: "LINK3", an artificially
synthesized primer sequence
204 <400> SEQUENCE: 8
205     gacatccaga tgaccagag cccaaggcgc ctgagcgc          38
207 <210> SEQ ID NO: 9
208 <211> LENGTH: 63
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: "SCP-C", an artificially
synthesized primer sequence
213 <400> SEQUENCE: 9
214     gctgaattct tattatttat cgtcatcgtc tttgtagtca agcttatacg atggcgggaa      60
215     gat                      63
217 <210> SEQ ID NO: 10
218 <211> LENGTH: 9
219 <212> TYPE: PRT
220 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: FLAG peptide
223 <400> SEQUENCE: 10
224     Met Asp Tyr Lys Asp Asp Asp Asp Lys
225     1                     5
227 <210> SEQ ID NO: 11
228 <211> LENGTH: 34
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: "LINK2", an artificially
synthesized primer sequence
233 <400> SEQUENCE: 11
234     aaccaccacc acctgaggag actgtgacga ggct          34
236 <210> SEQ ID NO: 12
237 <211> LENGTH: 35
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: "LINK4", an artificially
synthesized primer sequence
242 <400> SEQUENCE: 12
243     aggctgcttg ggctctgggt catctggatg tccga          35
245 <210> SEQ ID NO: 13
246 <211> LENGTH: 36
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: "TMT2", an artificially
synthesized primer sequence
251 <400> SEQUENCE: 13

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252 atccgcggcc gcttattatt tatcgatc gtcttt

36

RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : N:\Crf3\RULE60\10645012.RAW.txt
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 23
Seq#:3; Line(s) 108
Seq#:4; Line(s) 117
Seq#:5; Line(s) 129
Seq#:6; Line(s) 185
Seq#:7; Line(s) 194
Seq#:8; Line(s) 203
Seq#:9; Line(s) 212
Seq#:11; Line(s) 232
Seq#:12; Line(s) 241
Seq#:13; Line(s) 250
Seq#:15; Line(s) 270
Seq#:16; Line(s) 280
Seq#:18; Line(s) 477
Seq#:19; Line(s) 486
Seq#:20; Line(s) 495
Seq#:21; Line(s) 507
Seq#:22; Line(s) 620
Seq#:23; Line(s) 633
Seq#:26; Line(s) 758
Seq#:27; Line(s) 838
Seq#:28; Line(s) 918
Seq#:29; Line(s) 927
Seq#:30; Line(s) 940
Seq#:31; Line(s) 1047
Seq#:32; Line(s) 1056
Seq#:33; Line(s) 1065
Seq#:34; Line(s) 1077
Seq#:35; Line(s) 1205
Seq#:36; Line(s) 1214
Seq#:37; Line(s) 1224
Seq#:38; Line(s) 1233
Seq#:39; Line(s) 1245

VERIFICATION SUMMARY

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Input Set : N:\CrF3\RULE60\10645012.RAW.txt
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L:295 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#: 17, CDS LOCATION:29..2839